USA-SPEC

BT45-INFI

INFINITI

the newly engineered innovative Bluetooth® music & phone interface

Product Manual

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PRODUCT OVERVIEW

The BT45 seamlessly integrates your vehicle's OEM sound system with Bluetooth (HFP) devices for **hands- free phone calls** and **media streaming.** You can wirelessly connect your A2DP Bluetooth profile equipped smartphone or tablet to play stored music or stream the audio from your favorite media apps such as, iHeart Radio,Pandora, Spotify, and YouTube. The built in **echo & noise cancellation** feature will give you **crystal clear sound quality** during your hands free phone calls. The **all-speaker playback** feature will give you a **rich & dynamic music streaming quality.** The BT45 has an additional **3.5 mm auxiliary audio port and a USB charging port** so you can play music stored in your non-Bluetooth devices while keeping your device charged and ready to go. The BT45's **plug & play technology** takes advantage of the OEM radio's ability to accept an external CD changer or Satellite Radio by converting it into Bluetooth phone/ audio streaming/AUX input source. This design innovation allows you to **maintain functionality of existing factory installed options** such as, Bluetooth Hands-Free Phone system, CD changer, Satellite radio, RSE (rear seat entertainment system), and AUX/USB input.

NOTICE

USA SPEC solely distributes its products through authorized dealers in order to ensure its customers receive proper services and information from the dealers. USA SPEC reserves the right to only offer technical support or warranty services for products purchased through authorized USA SPEC dealers. Please refer to our website www.usaspec.com for a list of authorized dealers.

INSTALLATION & OPERATION PRECAUTIONS

- DO read the entire manual before starting the installation. We recommend that the BT45 be installed by a qualified professional since **all installations will require the removal of some parts of the vehicle such dashboard, backseat, etc.**
- DO install the interface securely using Velcro or wire ties (not included) and keep away from any moving parts such as the gas pedal.
- DO NOT open, disassemble, or modify the BT45 in any way. Such attempts will void the warranty on the product.
- DO NOT expose the interface to extreme temperature, humidity, or direct sunlight.
- DO NOT operate the Bluetooth device while driving. Always give full attention to the road while driving.

BT45-INFI PACKAGE CONTENT

- 1 Product Manual
- 1 BT45-INFI Interface Module
- 1 BT-INFI Cable
- 1 MIC45 microphone

COMPATIBILITY INFORMATION

Bluetooth Device Compatibility

BT45 is compatible with most Bluetooth wireless technology enabled devices currently on the market such as iPhone, iPad, iPod Touch, Android smartphones & tablets, Windows smartphones & tablets, and Blackberry. **Devices must have Bluetooth profile A2DP (Advanced Audio Distribution Profile) and AVRCP (Audio/Video Remote Control Profile) 1.4 or higher for audio streaming and text display.**

Note: Due to the difference in Bluetooth technology, some Bluetooth enabled devices may be incompatible or may not suppo rt all of BT45's features.

Device Compatibility for Music Info Display

The display of artist, album, and song title information on the radio is determined by the following 3 factors

1. Your device's (smartphone) operating system: iOS 6 or higher, Android 4.0 (Ice Cream Sandwich) or higher
2. Your device's Bluetooth profile: AVRCP 1.4 or higher
3. Music/media app: text display capabilities of music/media streaming apps can vary thus some might not display properly on your radio

Vehicle Compatibility & Satellite Radio Receiver Location

Nissan			
Dip Switch Setting		1-ON, 2-ON, 3-ON, 4-OFF	
Model (1)	Radio Type (2)	Year	Note
Altima(3)	Navigation	07 - 12	Connect at the 6-disc MP3 changer that is mounted below the navigation radio
(1) Not compatible with radios that have an "iPod/MENU" button (2) Radio must have "CD/MP3" button (3) For models without navigation use the BT45-NIS package			

Infiniti			
DIP Switch Setting		1-ON, 2-OFF, 3-ON, 4-OFF	
Model(1)	Radio Type (2)	Year	XM/SAT Radio Receiver or Pre-wire Cable Location(3)
G35 Sedan	All radios	03 ½ - 06	Under the rear deck in the trunk
	Non navigation	07 - 08	Under the rear deck in the trunk
G35 Coupe	All radios	03 - 07	Under the driver side rear floor
G37 Sedan	Non navigation	09 - 12	Under the rear deck in the trunk
(1) Not compatible with radios that have an "iPod/MENU" button (2) Radio must have a "SAT" or a "XM" button or both a "RADIO" & a "CAT (or CH)" button (3) Please see under the "Details" tab at http://www.usaspec.com/p-318-bt45-infi.aspx for photos of receiver/pre-wire cable locations			

Infiniti			
DIP Switch Setting		1-ON, 2-OFF, 3-ON, 4-OFF	
Model[1]	Radio Type [2]	Year	XM/SAT Radio Receiver or Pre-wire Cable Location[3]
G37 Coupe	Non navigation	08 - 09	Under the driver side rear floor
EX35	Non navigation	08 - 09	Under the passenger side rear floor
FX35 / FX45	All radios	03 - 08	Use the BT45-NIS package
FX35	Non navigation	2009	Under the passenger side rear floor
FX50	Non navigation	2009	Under the passenger side rear floor
M35	All radios	03 - 04	Under the rear deck in the trunk
	All radios	06 - 07	Under the rear deck in the trunk
	Non navigation	08 - 09	Under the rear deck in the trunk
M45	All radios	06 - 07	Under the rear deck in the trunk
M45	Non navigation	08 - 09	Under the rear deck in the trunk
QX56	All radios	04 - 07	Above the gas paddle
QX56	Non navigation	08 - 09	Above the gas paddle

(1) Not compatible with radios that have an "iPod/MENU" button

(2) Radio must have a "SAT" or a "XM" button or both a "RADIO" & a "CAT (or CH)" button

(3) Please see under the "Details" tab at http://www.usaspec.com/p-318-bt45-infi.aspx for photos of receiver/pre-wire cable locations

INSTALLATION

Installation Instruction

- We recommend that the BT45 be installed by a qualified professional since all installation will require the removal of some parts of the vehicle such as dashboard, backseat, etc.

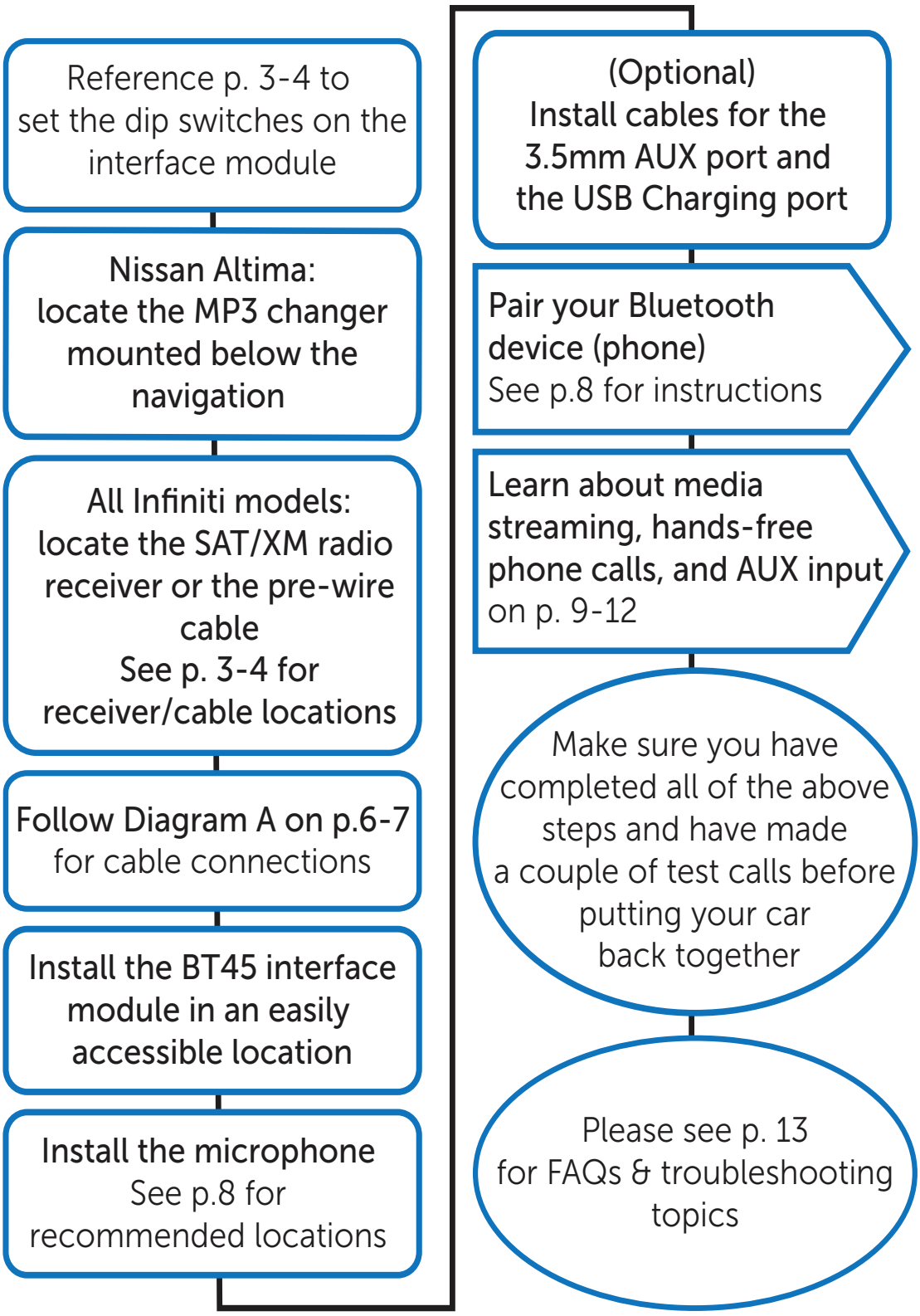
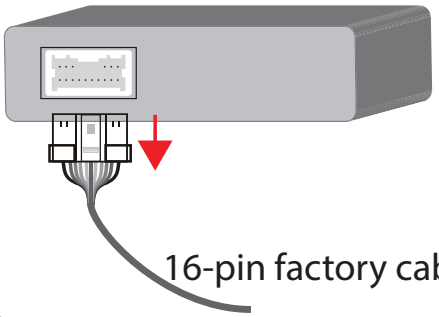


Diagram A: Cable Connection

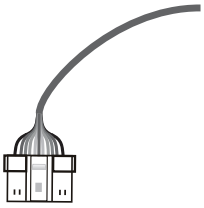
- The below representations of the radio and the cables are generalized depictions and are not to scale.

- SAT/XM Receiver or MP3 Changer (Altimas Only)



OR

- Factory SAT/XM Pre-wire Cable



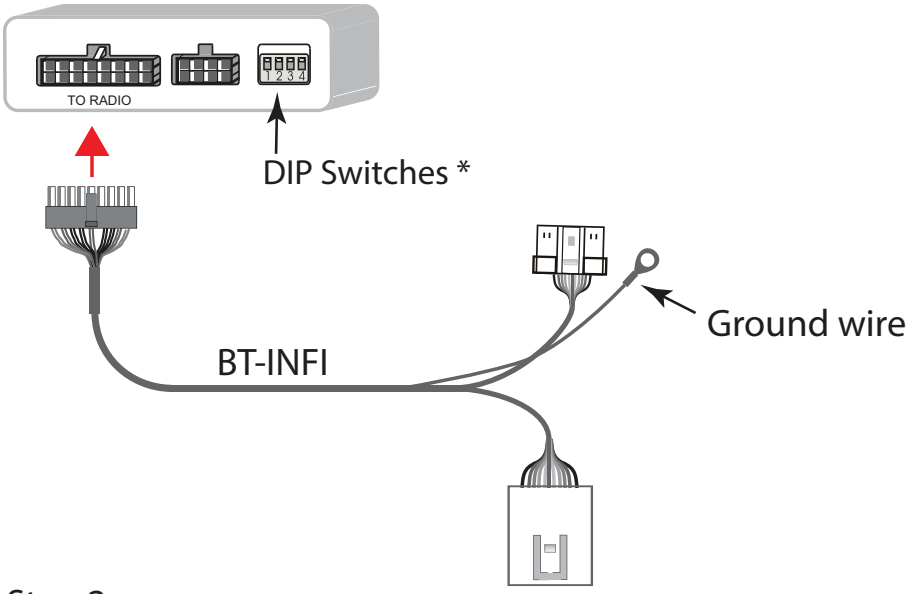
Step 1:

- Unplug the 16-pin factor cable from the SAT/XM receiver or the MP3 changer (for Altimas only)

Step 1:

- Locate the factory SAT/XM pre-wire cable

BT45 Interface Module



Step 2:

- Connect the BT45 interface module and the BT-INFI cable as shown here

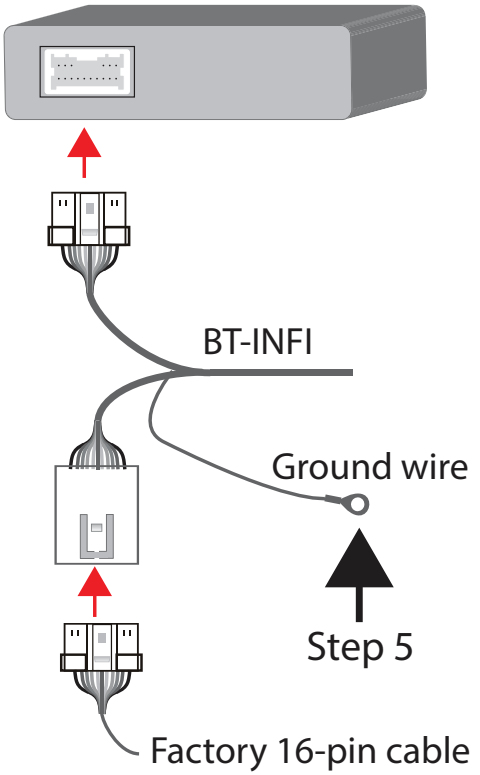
* Dip switch ON = DOWN

Diagram A: (continued from p.6)

Step 3:

- Plug the 16-pin female connector of the BT-INFI cable into the matching port on the SAT/XM receiver or the MP3 changer

- SAT/XM Receiver or MP3 Changer (Altimas Only)



Step 4:

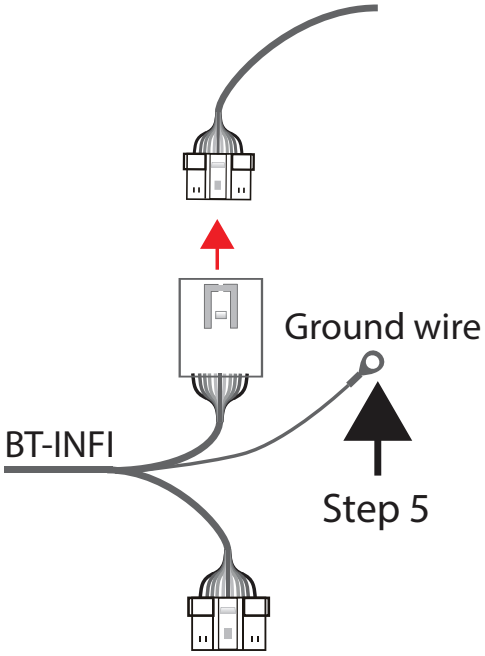
- Take the factory cable from Step 1 and plug it to the male connector of the BT-INFI cable

OR

Step 3:

- Plug the 16-pin factory pre-wire cable into the 16-pin male connector of the BT-INFI cable

- Factory SAT/XM Pre-wire Cable



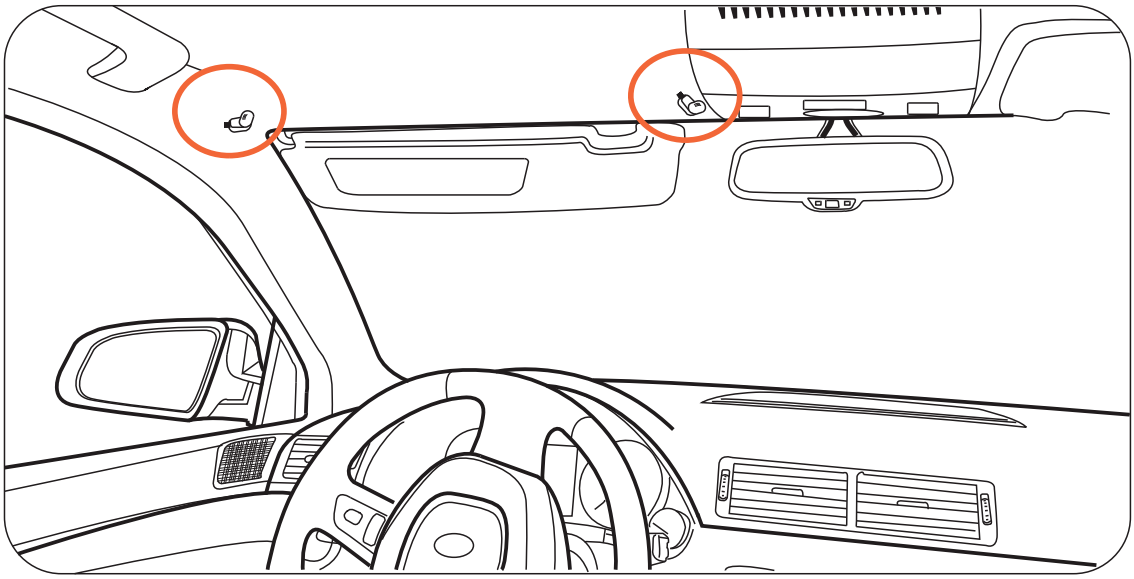
Step 4:

- Leave the female connector of the BT-INFI unplugged

Step 5:

- Securely connect the ground wire to an UNPAINTED metal surface.

Diagram B: Recommended Microphone Locations



Use your smartphone to scan the QR code for videos on installation and product features. You will need to download a QR reader app for your phone.

BLUETOOTH SETUP

Bluetooth Device Pairing Instructions

1. Turn your vehicle's ignition ON and make sure the radio is turned on
2. Press the "PRESET A/B/C " to select PRESET A
3. Press the SAT(XM) or RADIO button until you reach the SAT radio source
4. Press & hold the PRESET 4 soft key until it beeps to set PRESET 4 as Bluetooth source
5. Press & hold the PRESET 6 soft key unit it beeps to set PRESET 6 as AUX input source
6. Enable the Bluetooth function on your phone
7. Scan/search for available devices from your phone. It may take up to 30 seconds for your phone to locate the BT45
8. Select BT45-NIS from the list of available devices your phone has detected.
9. Allow the pairing process to take place
10. Once pairing is complete you will hear the "CONNECTED" voice prompt from your vehicles' audio system and the radio will briefly display the name of your phone, i.e. USA SPEC TEST PHONE

- Step 4-5 is to program PRESET A's #4 & #6 to give you an easy access to Bluetooth and BT45' AUX input. The remaining PRESETS will remain as they are.

Switching Audio Source: from AM/FM, CD, to Bluetooth Source

1. Press the SAT(XM) or RADIO button to cycle through the audio sources until you reach the Bluetooth source. For Altima radios press the CD/MP3 button.
2. Or if you are in PRESET A, select PRESET 4 for Bluetooth source

MEDIA STREAMING

- If you have music stored in your device, it will begin to play right after the "CONNECTED" voice prompt. If playback does not start automatically, turn the radio TUNE knob to the right. You can also proceed to manually start playback on your device from your preferred media app such as Pandora, YouTube, or Podcast app.
- Music info display such as song title, artist name, and album title will be displayed on the radio screen
- The BT45 will assign track numbers to the currently playing audio tracks if your radio is unable to display music info due to device's compatibility (see p.2 for details).

Music Playback Control

Next & Previous Track

1. From the radio: turn the TUNE knob left or right or press the SEEK/TRACK UP/DOWN buttons
2. From the steering wheel(*): Push the ENTER switch UP or DOWN for more than 1.5 seconds

Pause & Play

1. Pause the media streaming directly from your device (phone)
2. Radio display will say [PAUSED]
3. To resume streaming: turn the radio TUNE knob to the right or press the SEEK/Track UP button from the radio or the steering wheel(*)

Volume Up/Down

1. From your device (phone) set the volume to MAX
2. Use the volume control on the radio or the steering wheel to adjust the streaming volume to the desired level

(*) In some vehicles the steering wheel control functions might not work when in Bluetooth source

PHONE CALLS

Answer and End Calls

When there is an incoming call:

1. You must manually switch to Bluetooth (SAT) audio source first

2. Once you are in the Bluetooth source (SAT), you will hear the caller's number announced through the vehicle's sound system (you will hear "PRIVATE" if caller ID is not available). If the voice prompt features is disabled, then you will only hear the phone's ringtone. See p.12 on how to enable/disable the voice prompt feature.

Answer Calls

1. From the radio: turn the **TUNE knob** to the **right** or press the **SEEK/TRACK UP** button

2. From the steering wheel(*): Push the **ENTER** switch up for **more than** 1.5 seconds

End or Reject Calls

1. From the radio: turn the **TUNE knob** to the **left** or press the **SEEK/TRACK DOWN** button

2. From the steering wheel(*): push the **ENTER** switch down for more than 1.5 seconds

3. Once a call has ended, the radio will remain in the Bluetooth source (XM1), you must manually select the source you wish to go back to

(*) In some vehicles the steering wheel control functions might not work when in Bluetooth source

Make Calls

1. Make sure you are in the Bluetooth audio source (SAT)
2. Dial calls directly from your phone
3. OR use your phone to engage its voice dialing function such as Hey Siri, OK Google, and Cortana. Once engaged, your voice command will be picked up by the BT45's microphone (*).
4. Turn the TUNE knob to the left or press the SEEK/TRACK DOWN button to end the call

(*) Please keep in mind that the environment inside a moving vehicle tends to be noisier than your average environment. This will affect how accurately your phone's voice recognition function such as Siri picks up your voice command.

Hands-free to Handset

Transferring an active call from hands-free to Handset

1. **While on a call,** turn the TUNE knob to the right to transfer the call from hands-free to handset
2. Turn the same knob to the right again to transfer the call back to hands-free mode

ENABLE & DISABLE VOICE PROMPT

1. Turn your vehicle's ignition ON
2. Go to Bluetooth source (SAT)
3. Disable the Bluetooth function from your phone's setting
4. Wait 5 seconds, then turn the TUNE knob to the right to ENABLE. Turn the same knob to the left to DISABLE
5. Enable your phone's Bluetooth function and reconnect to the BT45. The feature will stay disabled or enabled until you perform the above steps again.
    - The above steps will enable/disable both the voice prompt and the caller # announcement features

AUX PORT

1. You will need a 3.5mm to headphone jack cable (not included in this package)
2. Go to PRESET A then press PRESET 6 to access the audio device connected to the AUX port
3. Press PRESET 4 to switch back to Bluetooth audio source

- Remember to turn the volume from the audio device to MAX first then use the radio/steering wheel's volume control to adjust to the desired level

USB CHARGING PORT

- USB charging cable is not included in this package
- Maximum charging output: 2.1 amps at 5 volt

FAQS & TROUBLESHOOTING TOPICS

- **I can not get the BT45-INFI to power up, the radio does not seem to recognize the BT45 is connected.**

  Make sure the BT45-INFI cable's ground wire is securely grounded to a metal surface

- **My hands-free phone call volume is very low.**

  First adjust volume on your phone to MAX then use the radio volume controls to adjust to the desired level.

- **I'm unable to pair my smartphone/device.**

  1. Delete/forget the BT45 from your phone's Bluetooth setting. Reset your phone and try the pairing process again.
  2. If you have an Android device, make sure the "Only visible to paired devices" option is UNCHECKED. Sometimes it can take up to 30 seconds for the BT45 to be detected by your smartphone/device.

- **My radio is not displaying any music info such as song titles.**

  Confirm that your device is equipped with Bluetooth profile AVRCP 1.4 or higher, it has iOS 6.0 or higher, or Android 4.0 or higher.

  Music streaming apps' info display capabilities vary thus some might not display properly on your radio.

- **Do I lose my SAT radio functions since my SAT audio source is now being used for Bluetooth?**

  No, you are only losing the presets under Preset A. You can still use the remaining preset banks to store SAT radio channels.

- **I already have a USA SPEC PA15-INFI installed in my Infiniti. Can I have both a BT45 and a PA15 INFI connected in my vehicle?**

  No, unfortunately you can only have one or the other.

For help with any additional issues, please contact tech support at (626)336-3836 Mon-Fri: 9am-5pm PST
or e-mail us at info@usaspec.com
Additional troubleshooting Q&As are available at
http://www.usaspec.com/t-faq.aspx

LIMITED WARRANTY

Thank you for choosing a USA SPEC product. USA SPEC, Inc., is committed to providing high quality defect-free products. All USA SPEC products are tested before leaving the factory and warranted against defects in materials and workmanship for a period of one year to the original owner. The one-year warranty period begins at the date of purchase from an authorized dealer.

PRODUCTS COVERED:
Products and related accessories supplied by USA SPEC, Inc. with the brand name of USA SPEC are covered by this warranty. Only products purchased in the USA are covered.

WARRANTY DOES NOT COVER:
1. Damage due to improper installation or operation, negligence, abuse, or not following instructions, warnings or acceptable industry procedures.
2. Damage caused during the shipment or transportation of the product. All claims of this nature must be presented to the carrier.
3. Damage caused by acts of God, war, or civil disturbance, including without limitation, flood, fire, storms, earthquake or other acts of nature.
4. Any expenses or cost to remove or reinstall products.
5. Any product without the original serial number and factory seal, or has been serviced or modified without the authorization of USA SPEC.
6. Any product not distributed by an authorized USA SPEC dealer.

TO OBTAIN WARRANTY SERVICE:
Contact the Customer Service center for assistance at (626) 336 - 3836. A detailed description of the problem(s) is required for service. Proof of purchase is also required when sending a product for warranty service. If the problem cannot be resolved and the product must be returned for service, you will receive an authorization form from the service center. The product must be delivered pre-paid to the service center. USA SPEC will, at our option, repair the product or replace it with a new or reconditioned product, and if it was shipped to the service center, the return shipping will be pre-paid free of charge provided the repairs are covered by the warranty. The product must be packed securely for shipment to the service center in order to preserve the warranty and prevent damage.

NO IMPLIED WARRANTY, INCLUDING MERCHANTABILITY AND FITNESS FOR USE APPLIES TO THIS PRODUCT AFTER THE ONE YEAR PERIOD AS DEFINED ABOVE, AND NO OTHER EXPRESSED WARRANTY OR GUARANTEE, EXCEPT AS MENTIONED ABOVE, GIVEN BY ANY PERSON, FIRM, OR CORPORATION WITH RESPECT TO THIS PRODUCT SHALL BIND THE WARRANTOR. NEITHER THE WARRANTOR NOR ANY OTHER PERSON, FIRM, OR CORPORATION IS RESPONSIBLE FOR LOSSES OR INCONVENIENCES, OR FOR ANY CONSEQUENTIAL DAMAGES CAUSED BY THE PRODUCT. SOME STATES/PROVINCES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, AND SOME DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES.

This warranty gives you specific legal rights, and you may also have other rights, which vary, from state to state, and province to province. Some of the limitations or exclusions may not apply to you. THE ABOVE WARRANTY TERMS AND CONDITIONS ARE VALID ONLY IN THE U.S.A.

USA-SPEC BT45-INFI

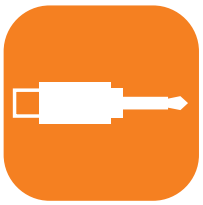
Bluetooth® Music & Phone Interface for INFINITI

HANDSFREE PHONE CALL

WIRELESS MEDIA STREAMING

USB CHARGING

ALL SPEAKER PLAYBACK



3.5 MM AUX INPUT

INFINITI		
Model	Radio Type	Year
G35 Sedan	All radios	03 ½ - 06
G35/G37 Sedan	Non Nav	07 - 12
G35 Coupe	All radios	03 - 07
G37 Coupe	Non Nav	08 - 09
EX35	Non Nav	08 - 09
FX35 / FX45	03 - 08 All radios	use BT45-NIS
FX35 / FX50	Non Nav	2009
M35	All radios	03 - 04
M35 / M45	All radios	06 - 07
M35 / M45	Non Nav	08 - 09
QX56	All radios	04 - 07
QX56	Non Nav	08 - 09

Nissan		
Model	Radio Type	Year
Altima	Nav raidio with 6-disc changer	07 - 12

8 24254 90003 5

* Not compatible if radio has a “iPod/MENU” button
* The above application chart is for general reference only.
  Please check www.usaspec.com to verify specific application

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